DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND.

2531 .JEFEERSON DAVIS HWY

ARLINGTON VA 22242-5160

IN REPLY REFER TO

```
4130
Ser 04L/538
23 JUL 2001
```

From: Commander, Naval Sea Systems Command

Subj: CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
       NAVAL SHIPS

Ref: (a) COMNAVSEASYSCOM 150405Z JUN 01
       (b) NAVSEAINST 4130.12 Series, Configuration Management
           Policy
       (c) CINCLANTFLT/CINCPACFLT Instruction 4720.3A,
           Management of Afloat Combat Systems and C4I
           Installations and Improvements
       (d) Warfare Systems Guidance and Policy Paper No.99-05
       (e) Ship Configuration and Logistic Support Information
           System (SCLSIS) Technical Specification 9090-700
           Series
       (f) Software Configuration Prototype Workshop,
Encl   NAVSURFWARCENDIV PHD, 5/6 June 2001

       (1) Software Configuration Status Accounting
       (2) Priority Tactical Systems -Platforms, Software
           Support Activities (SSAs) and In-Service
           Engineering Activities (ISEAs) Information
       (3) Detailed Data Requirements List and Sample Format

1. Reference (a) mandates the use of Configuration Data
Managers Database -Open Architecture (CDMD-OA) by all
applicable NAVSEA activities and affiliated Program Executive
Offices as the single central repository for all non-nuclear
NAVSEA and PEO ship configuration data. Naval Sea Systems
Command (NAVSEASYSCOM) 04L is responsible for developing and
maintaining life cycle Configuration Management Policy and
procedures for ships, systems and equipment in the U.S. Navy as
stated in reference (b).In conjunction with the Battle Force
Interoperability (BFI) certification process established by
reference (c) and the Software Quality Improvement (SQI) Program
established by reference (d), NAVSEA 04L has developed a
standardized process to document, schedule, and track software
configurations. The process is integrated with that of the
current hardware configuration accounting for Hull, Machinery
and Electrical (HM&E), Combat, Command, Control, Communications,

Subj: CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
        NAVAL SHIPS

Intelligence, Surveillance, and Reconnaissance Systems aboard all U. S. Navy ships. References (b) and (e) have always required configuration management of systems and components (hardware and software); however, to date, the centralized process has primarily addressed hardware configuration management. Reference (f) was the software prototype workshop held 5/6 June 2001 at Port Hueneme, California. The proposed software configuration procedures and processes were reviewed by the Software Support Activities (SSAs), In-Service Engineering Activities (ISEAs), and Configuration Data Managers (CDMs) associated with the ships and systems included in the initial prototype CM process. Attendees discussed the impact and feasibility of this process with regard to their respective areas of responsibility. Concurrence was reached regarding the procedures and processes as well as the software reporting levels and data elements required.

2. Per direction of reference (a), NAVSEA is now including software configuration data to gain a complete and accurate record of installed configuration data on ships and at training facilities in a single shared data environment resident in CDMD-OA. The establishment of software baselines will assist in the identification and resolution of interoperability issues and ensure software installations receive the appropriate visibility and support. Accordingly, NAVSEA 04L will pilot the initial software configuration management policy and prototype the procedures and processes detailed in enclosure (1) prior to full policy promulgation. Initial policy release to the community and implementation of the prototype will commence using the combat systems identified in enclosure (2), which are tracked by NAVSEA 53 as a part of the Battle Force configuration change control process. In order to limit the scope of this prototype effort, software configuration data requested will be limited to those ships in the USS THEODORE ROOSEVELT/USS BATAAN 01 Battle Force.

3. In support of this effort, NAVSEA 04L5 requests that system program managers, their respective Software Support Activities (SSAs) and In-Service Engineering Activities (ISEAs) provide assistance with execution of the prototype program for the capture and recording of the combat systems software configurations aboard ships in the targeted Battle Force. Although we have previously acquired the SSA point of contacts

Subj: CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
       NAVAL SHIPS

from the respective Program Managers, request enclosure (2) be
reviewed and that NAVSEA 04L5 be notified of any changes to the SSA
POC list within 2 weeks of receipt of this letter. The SSA points of
contact that must be listed are the ones actively working the system
software at the lowest level. These individuals will interface
directly with the designated NAVSEA 04L5 POC listed below.

4. In an effort to assist in capturing software currently installed
aboard the designated Battle Force and systems, request data be
entered directly into CDMD-OA as specified in enclosure (1) after
receiving an X-RIC number by following the procedures outlined in
enclosure (3). Data is required not later than 30 days from date of
this letter. Upon receipt of XSFT00 numbers, it is incumbent upon all
SSA's/ISEA's (as directed by Program Offices) to ensure accuracy and
continued maintenance of data entered into CDMD-OA. If an activity
does not have qualified CDMD-OA operators, visit the CDMD website –
www.cdmd.navy.mil to request training and access.

5. Focused efforts will result in the initial establishment of
installed software baselines in the Battle Force which will
facilitate future expansion, management and configuration control of
all respective activities. Enclosure (1) provides the initial
guidance for reporting and tracking software.

6. In addition to this effort, NAVSEA 04L5 is presently
investigating and reviewing the current processes used for reporting
and recording the status of Software Trouble Reports
(STRs). NAVSEA 04L is partnering with NAVSEA 53 to gain leverage and
synergize each other's efforts and results. This review is being
conducted to determine the feasibility and possible standardization
of a process for establishing a central STR repository as an element
of CDMD-OA in order to promote rapid STR issue resolution and
feedback to the fleet. Additionally, having the information
available in CDMD-OA would allow ease of access by NAVSEA Anchor Desk
representatives. SEA 04L5 representatives will be contacting various
SSAs, ISEAs, and Fleet representatives to determine current policies
and procedures for reporting STRs, and to solicit suggestions for
establishment of the central repository. In conjunction with this
effort, they will also be establishing a proposed standard format for
STR reporting and defining data element candidates for CDMD-OA.

Subj: CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
        NAVAL SHIPS

7. Any suggestions, comments or questions on this initiative
and associated processes, as well as its execution should be
directed to Ed Chergoski, SEA 04L52 at 202-781-3302 email
chergoskief@navsea.navy.mil or Ms. Donna Caroline Kowalsky, SEA
04L526, at (703) 801-1249 email kowalskydc@.navsea.navy.mil.
Request widest dissemination of this letter.

JEFFERY. G. ORNER
i Assistant Deputy Commander
     For Fleet Logistics Support

Distribution:

PEO TSC
PMS 400B (P. Matter)
PMS 400B2
PMS 400F (O. Smith) (L. Stiles)
PMS 461A PMS461E2,
PMS 641E4
PMS 465, 465A3, 456A32, 465NA1
PMS 473A, 473-2M, 473-3, 473-3A
PEO MUW -(M. Howard)
PMS 411, 411E, 411K, 411J, 411J2,
PEO EXW
PMS 305
PMS 312 (C. Grigg)
PMS 317(S. Sims)
PMS 377 (A. Beveridge}
PMS 430T
PMS 440, 440.5B2, 440D, 440B3,
PMS 440D3 (R. Pike, D. Dean, T.
Din) PMS 470 (W. Henderson),
PMS 471 N-22, 471 N-23, 472 PEOSUB
PMS 350,
PMS 392 (H. Kipper)
PMS 395A
PEO CARRIERS
PMS 312 CV/CVN

Subj: CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
       NAVAL SHIPS

Distribution: (continued)

SEA 53T
SEA 53H1
SEA91, 91W14,
PMS 306 (R. Edge)
SEA 92L1,(M. Ribble), 92L3 (V. Miller)
PMS 450TLS (D. Gay)
COMNAVAIRSYSCOM PATUXENT RIVER MD
PMA 213 Code 04.0E (A. Miller)
COMNAVSPAWARSYSCOM SAN DIEGO CA
PD 156(R. Fowler)
PMW 157 (W. Leibitzke, S. Musson)
PMW 159 D4523 (P. Lazar, T. Tanksley, B. Urbon, T. Meehl)
PMW 187 APM GPS (P. Truver)
PMW/PMA-187-3 (P. Shaw, S. Murphy, S. Matsuo)
NAVSURFWARCENDIV PHD (Code 4C0A3, K. Probe)

```
Subj:  CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
       NAVAL SHIPS

Copy to:

NAVUNSEAWARCENDIV NEWPORT RI, 3133(P. Masse)
NAVUNSEAWARCENDIV KEYPORT WA, 411(S. Moss, C. Brookbank)
NAVSURFWARCENDIV DAHLGREN VA, N04(R. Pitts),
N212 (J. Waggy),
T206 (D. Bagnall, T. Furano),
T21 (L. Weddle),
T23 (M. Flower-Lemaster, K. Thomas, C. Johnson),
T24 (D. Haas, T. Zizzi, S. Taylor, S. Fleshman, L. McDougal)
NAVSURFWARCENDIV CRANE IN, 8072 (P. Meadows, T. Saulter),
8074 (J. Carlson)
NAVSURFWARCENDIV PORT HUENEME CA, 4C42(K. Moore),
4C46(B. Roble)
4Y14(B. Watson, J. Sobolik, W. Shaw, B. Burkland),
4Y12(W. Stamper)
4Y40R(T. Goo)
5A00(CAPT M. Erno, C. O'Rourke),
5E00(W. Terry)
5C10(P. Boeck)
5D21(J. Blattner)
5D22(J. Miehl)
5E20(B. Crier, P. Saldana, L. Lindsey-Hayes, J. Dawson)
NAVSURFWARCEN PORT HUENEME DIV DET LOUISVILLE KY,
4K41(R. Haberzetle),
4Y0L(D. Lamkin)
NAVSURFWARCEN PORT HUENEME DIV DET VIRGINIA BEACH VA,
4Y32(D. Johnson, D. Exley, G. Eck)
NAVAIRWARCENACDIV PATUXENT RIVER MD, 4.5.8.2, 4.5.8.2.1,
4.5.8.2.2, 4.5.8.2.3
SPAWARSYSCEN CHARLESTON SC, 342(S. Downs),
343(P. Hinton),
J343 (L. Roehrs)
COMBAT DIRECTION SYSTEMS ACTIVITY DAM NECK,
DN31 (L. Swinford, A. Harrell, L. Zaloga, M. Kronenburg,
DN33 (G. Bashford, R. Johnson),
DN35 (L. Guthrie),
DN44(R. Jacox, B. Jervey,  M. Walsh),
NAVSHIPYD PUGET SOUND DET BOSTON MA, 284
NAVICP MECHANICSBURG, N64 (J. Koehler),
N50 (S. Case)
N50 (R. Geesaman)
```

```
Subj:   CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
        NAVAL SHIPS

Copy to: (continued)

NAVSEALOGCEN (S. Hulme)
NAVSEALOGCEN DET PAC, (J. Taylor, B. Go, P. Langlois, W. Phelps)
NAVSHIPYD PUGET SOUND WA, 270.52
NAVSHIPYD NORFOLK VA (281)
SUPSHIP BATH ME
SUPSHIP PASCAGOULA MS
SUPSHIP NEWPORT NEWS VA (1833)
Bath Iron Works (H. London, T. Peaco)
Litton Ship Systems (D. Robertson)
PSNS Det Boston (T. Sutermiester)
```

SubJ: CONFIGURATION STATUS ACCOUNTING OF SOFTWARE ON-BOARD
       NAVAL SHIPS

Blind copy to:
SEA 04L5
SEA 04L51
SEA 04l52
SEA 04L526